



PATENTS  
SHGN-16 DIV2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Not Yet Assigned  
Group Art Unit : 1626 Confirmation No.: 8872  
Applicants : Makoto Kobayashi et al.  
Application No.: 10/723,679  
Filed : November 25, 2003  
For : PROCESSES FOR THE PREPARATION OF OXO-OXAZOLINE OR ALLOAMINO ACID DERIVATIVES

New York, New York  
March 10, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR  
INFORMATION DISCLOSURE STATEMENT

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application. This Statement is submitted before the mailing date of the first Office Action on the merits.

In accordance with 37 C.F.R. § 1.97, submission of this Statement requires no fee. However, if for any reason a fee is due, the Director is hereby authorized to charge payment of any additional fees required in connection with

EV133110531US

this Information Disclosure Statement to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted,

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James F. Haley, Jr. (Reg. No. 27,794)  
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INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and 1.97,  
applicants, through their representatives, make of record  
the following documents\*:

Foreign Patent Documents

Country	Publication No.	Publication Date
PCT	WO 98/08867	March 5, 1998
EPO	EP 933379 A1	August 4, 1999
Japan	JP 60-34955	February 22, 1985

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\* For the convenience of the Examiner, a completed Form PTO-1449, listing these documents, is attached.

Articles

(1) L. Williams et al., "A convenient synthesis of L-allo-threonine," *Heterocycl. Commun.*, 2(1), pp. 55-56 (1996).

(2) G. delle Monache et al., "An enantioselective, stereodivergent synthesis of threonine analogs," *Tetrahedron: Asymmetry*, 8(2), pp. 231-243 (1997).

(3) S. Kano et al., "Highly Diastereoselective Synthesis of (3R, 4R)- And (3S, 4S)- $\beta,\gamma$ -Diamino Acids from D-Phenylalanine," *Chem. Pharm. Bull.*, 36, pp. 3341-3347 (1988).

(4) S. Kano et al. "A New Facile Diastereoconversion of 2-Amino Alcohols Involving a Novel Cyclocarbamation," *Tet. Lett.*, 28, pp. 6331-6334 (1987).

(5) S. Kano et al., "Diastereeoconversion Of Threo 2-Amino Alcohols To Erythro Isomers Through A New Cyclo-carbamation," *Heterocycles*, 27, pp. 1241-1248 (1988).

(6) C.-N. Hsiao et al., "Synthesis of N-(Tert-Butoxycarbonyl)-3-(4-Thiazolyl)-L-Alanine," *Synth. Commun.*, 20(22), pp. 3507-3517 (1990).

(7) T. Inui, "Selective Cleavage of Cysteine Peptides," *Bull. Chem. Soc. Japan*, 44, pp. 2515-2520 (1971).

(8) T. Nishi et al., "Syntheses and Biological Activities of Renin Inhibitors Containing Statine Analogues," *Chem. Pharm. Bull.*, 38(1), pp. 103-109 (1990).

(9) L.A. Paquette et al., "Asymmetric Induction in the Sulfene-Enamine Condensation Reaction: The Transition

State Geometry of Such (2+2) Cycloadditions,"

*Tetrahedron*, 27, pp. 2599-2607 (1971).

(10) A. Saeed and D.W. Young, "Synthesis of L- $\beta$ -Hydroxyaminoacids Using Serine Hydroxymethyl-transferase," *Tetrahedron*, 48(12), pp. 2507-2514 (1992).

WO 98/08867 (and its English-language European counterpart application, EP 933379 A1, submitted herewith) and articles (1) and (2) listed above were cited in an International Search Report that issued in connection with International application No.

PCT/JP00/05753, from which the present application claims priority. For the Examiner's convenience, a copy of the International Search Report is attached hereto.

Applicants have not enclosed copies of these documents, except EP 933379, because they were supplied by the JPO search authority in connection with United States application No. 10/070,974, the parent application of United States application No. 10/229,819 from which this application is divided. However, if the Examiner wishes, applicants will provide copies of these documents.

Articles (3), (4) and (5) were cited in a Supplementary European Search Report in a counterpart application. For the convenience of the Examiner, a copy of the Supplementary European Search Report is attached.

Applicants have not enclosed copies of these articles, nor JP 60-34955, nor articles (6), (7), (8), (9) and

(10), because they were provided in connection with United States application No. 10/070,974, the parent application of United States application No. 10/229,819 from which this application is divided. However, if the Examiner desires, applicants will provide copies of these documents.

Applicants respectfully request that these documents be (1) considered by the Examiner prior to issuance of any patent from this application; and (2) printed on any patent that may issue from this application. Applicants also request that a copy of enclosed Form PTO-1449, as considered and initialed by the Examiner, be returned with the next communication.

Respectfully submitted,

  
\_\_\_\_\_  
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Stanley D. Liang (Reg. No. 43,753)  
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FORM PTO-1469 <i>O.I.P.E.</i> U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT MAR 10 2004 PATENT & TRADEMARK OFFICE MAIL DATE CANCELLED	ATTY. DOCKET NO. SHGN-16 DIV2	APPLICATION NO. 10/723,679
	APPLICANTS Makoto Kobayashi et al.	CONFIRMATION NO. 8872
	FILING DATE November 25, 2003	GROUP 1626

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 98/08867	03/05/98	PCT				✓ Abstract Only
	EP 933379 A1	08/04/99	EPO	C07K	5/078		
	JP 60-34955	02/22/85	Japan	C07D	263/24		✓ Abstract Only

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	L. Williams et al., "A convenient synthesis of L-allo-threonine," <i>Heterocycl. Commun.</i> , 2(1), pp. 55-56 (1996).
	G. delle Monache et al., "An enantioselective, stereodivergent synthesis of threonine analogs," <i>Tetrahedron: Asymmetry</i> , 8(2), pp. 231-243 (1997).
	S. Kano et al., "Highly Diastereoselective Synthesis of (3R, 4R)- And (3S, 4S)- $\beta,\gamma$ -Diamino Acids From D-Phenylalanine," <i>Chem. Pharm. Bull.</i> , 36, pp. 3341-3347 (1988).
	S. Kano et al., "A New Facile Diastereeoconversion of 2-Amino Alcohols Involving A Novel Cyclocarbamation," <i>Tet. Lett.</i> , 28, pp. 6331-6334 (1987).
	S. Kano et al., "Diastereoconversion Of Threo 2-Amino Alcohols To Erythro Isomers Through A New Cyclocarbamation," <i>Heterocycles</i> , 27, pp. 1241-1248 (1988).
	C.-N. Hsiao et al., "Synthesis of N-(Tert-Butoxycarbonyl)-3-(4-Thiazolyl)-L-Alanine," <i>Synth. Commun.</i> , 20(22), pp. 3507-3517 (1990).
	T. Inui, "Selective Cleavage of Cysteine Peptides," <i>Bull. Chem. Soc. Japan</i> , 44, pp. 2515-2520 (1971).
	T. Nishi et al., "Syntheses and Biological Activities of Renin Inhibitors Containing Statine Analogues," <i>Chem. Pharm. Bull.</i> , 38(1), pp. 103-109 (1990).
	L.A. Paquette et al., "Asymmetric Induction in the Sulfene-Enamine Condensation Reaction: The Transition State Geometry of Such (2+2) Cycloadditions," <i>Tetrahedron</i> , 27, pp. 2599-2607 (1971).
	A. Saeed and D.W. Young, "Synthesis of L- $\beta$ -Hydroxyaminoacids Using Serine Hydroxymethyltransferase," <i>Tetrahedron</i> , 48(12), pp. 2507-2514 (1992).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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11-26  
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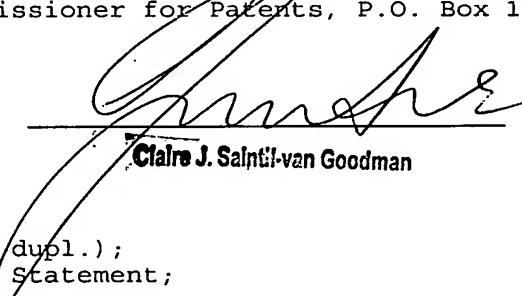
New York, New York  
March 10, 2004

Commissioner for Patents  
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Express Mail mailing label number EV133110531US.

Date of Deposit March 10, 2004

I hereby certify that this paper/fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Claire J. Saint-Jean Goodman

Enclosures:

- (1) Transmittal Letter (in dupl.);
- (2) Information Disclosure Statement;
- (3) Form PTO-1449;
- (4) Copy of patent document (EP 933379);
- (5) Copy of the International Search Report;
- (6) Copy of the Supplementary European Search Report; and
- (7) Postcard.